

Water Technology Assessment Plan Rev. 9/16/2018

Water Technology	16-17	17-18	18-19	19-20	20-21	21-22
WTRTB51 - Basic Water Treatment						
• Upon completion of the course, the student will be able to Explain the need for water purification			P			
• Upon completion the student will be able to: Explain the role and responsibilities of a water treatment plant operator			P			
• Upon completion the student will be able to: Explain the regulations governing water quality			P			
• Upon completion the student will be able to: Perform basic mathematical functions related to water treatment.			P			
• Upon completion the student will be able to: Identify techniques used to protect public drinking water			P			
• Upon completion the student will be able to: Be able to explain, perform and interpret laboratory test procedures for chlorine residual, hardness, taste and odor			P			
• Upon completion the student will be able to: Be able to describe the process of Disinfecting water			P			
WTRTB52 - Basic Water Distribution						
• Upon completion of the course, the student will be able to identify water quality parameters addressed in drinking water regulations.			P			
• Upon completion the student will be able to: Interpret state drinking water regulations.			P			
• Upon completion the student will be able to: Identify connections between drinking water regulations and operation and maintenance of a public water system.			P			
• Upon completion the student will be able to: Identify aspects of water hydrology that influence water supplies.			P			
• Upon completion the student will be able to: Identify techniques used to protect public water supplies.			P			
• Upon completion the student will be able to: Recognize equipment used during operation and maintenance of a water distribution system.			P			
• Upon completion the student will be able to: Understand and be able to perform basic water related mathematical problems.			P			
WTRTB53 - Water & Wastewater Analysis						
• Upon completion the student will be able to: The student will demonstrate technical subject knowledge through participation in class discussion, demonstration, written examinations and reports pertainin' to water quality standards.			P			
• Upon completion the student will be able to: The student will demonstrate through discussion and examination the ability to interpret basic water and waste water test results.			P			
• Upon completion the student will be able to: The student will demonstrate through discussion and written exercises and examinations knowledge of common water treatment problems.			P			
• Upon completion the student will be able to: The student will demonstrate through demonstration and written examination the ability to perform calculations pertaining to the presentation of water test results.			P			
• Upon completion the student will be able to: The student will demonstrate through discussion and written reports, knowledge of the need for quality control and safety in the treatment plant.			P			
• Upon completion the student will be able to: The student will demonstrate through class discussion and written examination the purpose, types and methods of good record keeping.			P			